

PTO/SB/08A (04-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/935,995
Filing Date	August 23, 2001
First Named Inventor	Smalley, et al.
Art Unit	1773
Examiner Name	Hoa T. Le

Attorney Docket Number 11321-P014US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
hjh	1	US 5,560,898	10/01/96	Uchida, et al.	
	2	US 5,653,996	08/05/97	Hsu	
	3	US 6,183,714	02/06/01	Smalley, et al.	
	4	US 6,250,984	06/26/01	Jin, et al.	
	5	US 6,322,713	11/27/01	Choi, et al.	
	6	US 6,333,598	12/25/01	Hsu, et al.	
	7	US 6,623,337	09/23/03	Scott, et al.	
	8	US 6,712,864	03/30/04	Horiuchi, et al.	
	9	US 2002/0150529	10/17/02	Dillon, et al.	
	10	US 60/227,184	08/23/00	Kuper	
	11	US 60/268,228	02/12/01	Smalley, et al.	
	12	US 60/284,419	04/17/02	Hauge, et al.	
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FOREIGN PATENT DOCUMENTS

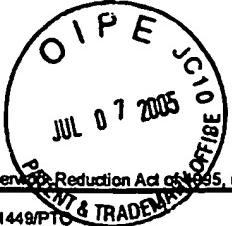
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
hjh	13	WO 00/17102	03/30/2000	Smalley, et al.		
	14	WO 00/17101	03/30/2000	Margrave, et al.		
	15	WO 00/26138	05/11/2000	Smalley, et al.		
	16	WO 98/39250	09/11/98	Smalley, et al.		

Examiner Signature	H. T. Le	Date Considered	09/05
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Application Number	09/935,995
Filing Date	August 23, 2001
First Named Inventor	Smalley, et al.
Art Unit	1773
Examiner Name	Hoa T. Le
Attorney Docket Number	11321-P014US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
N	17	Ajayan et al., "Growth morphologies during cobalt catalyzed single-shell carbon nanotube synthesis," Chem. Phys. Lett., Vol. 215, p. 509 (1993)	
	18	Ausman, et al. , "Organic solvent dispersions of single-walled carbon nanotubes...", 104 J. Phys. Chem. B (2000), pp. 8911	
	19	Bethune et al., "Cobalt catalyzed growth of carbon nanotubes with single atomic layer walls," Nature, Vol. 63, p. 605 (1993)	
	20	Boul, et al., "Reversible sidewall functionalization of buckytubes" 310 Chem. Phys. Lett. (1999), pp. 367-372	
	21	Chen, J. et al., "Solution properties of single-walled carbon nanotubes", 282 Science (1998), pp. 95-98	
	22	Dresselhaus, G. et al., Science of Fullerenes and Carbon Nanotubes, Chap. 19, (1996), pp. 756-760	
	23	Ebbesen et al. "Large-scale synthesis of carbon nanotubes," 358 Nature, (July 16, 1992), pp. 220-222	
	24	Ebbesen et al., "Carbon Nanotubes," 24 Annual Review of Materials Science (1994), pp. 235-264	
	25	Girifalco, et al., "Carbon nanotubes, buckyballs, ropes, and a universal graphitic potential", 62 Physical Review B (2000), pp. 13104-13110	
H	26	Hertel et al., "Manipulation of individual carbon nanotubes and their interaction with surfaces", 102 J. Phys. Chem. B (1998), pp. 910-915	

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Examiner Name	Hoa T. Le
Attorney Docket Number	11321-P014US

NON PATENT LITERATURE DOCUMENTS

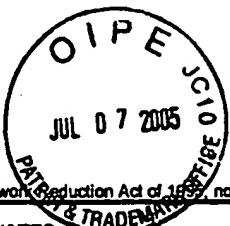
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
hh	27	Hone, et al., "Electrical and thermal transport properties of magnetically aligned single wall carbon nanotube films", 77 Appl. Phys. Lett. (2000), pp. 666-668	
	28	Iijima et al., "Helical microtubules of graphitic carbon," 354 Nature (November 7, 1991), pp. 56-58	
	29	Iijima et al., "Single-shell carbon nanotubes of 1 nm diameter," 363 Nature (1993), pp.603-605	
	30	Jing-Kong et al., " Nanotube Molecular Wires as Chemical Sensors", 287 Science (2000), pp. 622	
	31	Lagarkov, et al. "Electromagnetic properties of composites containing elongated conducting inclusions", 53 Phys. Rev. B 10 (1996), p. 6318-6336	
	32	Lambert et al., "Improving conditions toward isolating single-shell carbon nanotubes," 266 Chem. Phys. Lett.(1994), pp. 364-371	
	33	Lee et al, "Observation of magnetic-field-modulated energy gap in carbon nanotubes", 115 Solid State Communications (2000), p. 467-471	
	34	Liu, et al., "Controlled deposition of individual single-walled carbon nanotubes on chemically functionalized templates", 303 Chem. Phys. Lett. (1999), pp. 125-129	
hh	35	Nikolaev, et al., "Gas-phase catalytic growth of single-walled carbon nanotubes..." 313 Chem. Phys. Lett. (1999), pp. 91-97	

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hh	36	Odom et al, "Structure and electronic properties of carbon nanotubes", 104 J. Phys. Chem B (2000), pp. 2794-2809	
	37	Riggs et al., "Optical limiting properties of suspended and solubilized carbon nanotubes", 104 J. Phys. Chem B (2000), pp. 7071-7076	
	38	Rinzler, "Large-scale purification of single-wall carbon nanotubes: process, product and characterization.", 67 Applied Physics A (1998), pp. 29-237	
	39	Saito et al., "Carbon nanocapsules encaging metals and carbides," 54 J. Phys. Chem. Solids (1993), pp. 1849-1860	
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	41	Seraphin et al., "Single-walled tubes and encapsulation of nanocrystals into carbon clusters," 142 J. Electrochem. Soc. (1995), pp. 290-293	
	42	Shaffer et al., "Fabrication and characterization of carbon nanotube/poly(vinyl alcohol) composites", 11 Adv. Mat 11 (1999), pp. 937-941	
	43	Slepyan et al. "Electronic and electromagnetic properties of nanotubes", 57 Phys. Rev. B (1998), pp. 9485-9497	
	44	Smith, et al., "Structural anisotropy of magnetically aligned single wall carbon nanotube films", 77 Appl. Phys. Lett. (2000), pp. 665-663	
hh	45	Tans, et al., "Individual single-wall carbon nanotubes as quantum wires", 386 Nature (1997), pp. 474-477	

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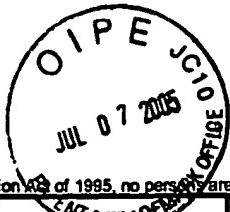
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h	46	Tohji, K., "Extraction of exotic fullerenes and purification of single-walled nanotubes", 7 Fullerene Science & Technol. 4 (1999), pp. 665-679	
	47	Venema, et al., "Imaging electron wave functions of quantized energy levels in carbon nanotubes", 283 Science (1999), pp. 52-55	
	48	Yakobson and Smalley, "Fullerene nanotubes: C1,000,000 and beyond", 85 Am. Sci.(1997), pp. 324-337	
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